IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A resource allocating method in a radio packet communication system for transmission and reception of packet data between a base station and a mobile station, in which the base station allocates a necessary resource to communication with the mobile station, the resource allocating method comprising:

a reservation signal transmitting step wherein the mobile station transmits a reservation signal containing priority level information about a priority level of communication to let the base station receive the reservation signal;

a reserved time length setting step wherein, based on the priority level information in the reservation signal transmitted in the reservation signal transmitting step, the base station sets (i) a length of a reserved time for allocation of a resource, as a reserved time length, and (ii) a start time of the reserved time, and the reserved time length setting step sets a start time of a reserved time corresponding to a low priority in the priority level information to be earlier than a start time of a reserved time corresponding to a high priority in the priority level information; and

a resource allocation reserving step wherein, when there is a resource available for allocation in a reserved time region defined by the reserved time length set in the reserved time length setting step, from a predetermined reservation start time, the base station reserves allocation of a resource for the communication with the mobile station having transmitted the reservation signal.

Claim 2 (Currently Amended): A resource allocating method in a radio packet communication system for transmission and reception of packet data by code division multiplexing between a base station and a mobile station, in which the mobile station transmits a reservation signal including priority level information indicating a priority of the packet data to the base station and in which the base station allocates a necessary resource to communication with the mobile station on the basis of the reservation signal transmitted from the mobile station,

wherein, on the occasion of allocating a resource to the mobile station, the base station designates a spreading code to be allocated to the mobile station, for each said reservation signal, based on the priority level information in said reservation signal and indicating the priority of the packet data.

Claim 3 (Original): The resource allocating method according to Claim 1, wherein a spreading code to be allocated to the mobile station is designated for each said reservation signal.

Claim 4 (Currently Amended): A base station configured to perform transmission and reception of packet data to and from a mobile station and allocate a necessary resource to communication with the mobile station, the base station comprising:

a reservation signal receiving unit configured to receive a reservation signal transmitted from the mobile station and containing priority level information about a priority level of communication;

a reserved time length setting unit configured to, based on the priority level information in the reservation signal received by the reservation signal receiving, set (i) a length of a reserved time for allocation of a resource, as a reserved time length, and (ii) a start time of the reserved time, and the reserved time length setting unit is further configured to set a start time of a reserved time corresponding to a low priority in the priority level information to be earlier than a start time of a reserved time corresponding to a high priority in the priority level information; and

a resource allocation reserving unit configured to, when there is a resource available for allocation in a reserved time region defined by the reserved time length set by the reserved time length setting unit, from a predetermined reservation start time, allocate a resource for the communication with the mobile station as a transmitter of the reservation signal.

Claim 5 (Previously Presented): The base station according to Claim 4, wherein the reserved time length setting unit sets a longer reserved time length for a high priority level than for a low priority level, based on the priority level information in the reservation signal.

Claim 6 (Previously Presented): The base station according to Claim 4, wherein the resource allocation reserving unit sets the reservation start time on the basis of at least one of a reception time when the reservation signal receiving unit receives the reservation signal, and the priority level information in the reservation signal.

Claim 7 (Canceled).

Claim 8 (Previously Presented): A base station configured to implement transmission and reception of packet data by code division multiplexing to and from a mobile station and allocate a necessary resource to communication with the mobile station, the base station comprising:

a reservation signal receiving unit configured to receive a reservation signal transmitted from the mobile station and containing maximum transmit power information of the mobile station and transmit power information of the reservation signal;

a propagation loss calculating unit configured to calculate a propagation loss in transmission of a packet from the mobile station, based on the transmit power information in the reservation signal received by the reservation signal receiving unit and information about a received power in reception of the reservation signal by the reservation signal receiving unit;

a maximum received power calculating unit configured to calculate a maximum received power of a signal received from the mobile station, based on the maximum transmit power information in the reservation signal and the propagation loss calculated by the propagation loss calculating unit;

a maximum transmission rate calculating unit configured to calculate a maximum transmission rate allocable to the mobile station, based on the maximum received power calculated by the maximum received power calculating unit; and

a resource allocating unit configured to allocate a resource to the mobile station, based on the maximum transmission rate calculated by the maximum transmission rate calculating unit.

Claim 9 (Currently Amended): A base station applied to a radio packet communication system for transmission and reception of packet data by code division multiplexing to and from a mobile station and configured to receive a reservation signal including priority level information indicating a priority of the packet data transmitted from the mobile station and allocate a necessary resource to communication with the mobile station on the basis of the reservation signal received, wherein a spreading code to be allocated to the mobile station is designated for each said reservation signal, based on the priority level information in said reservation signal and indicating the priority of the packet data.

Claim 10 (Original): The base station according to Claim 4, wherein a spreading code to be allocated to the mobile station is designated for each said reservation signal.

Claim 11 (Canceled).

Claim 12 (Currently Amended): A mobile station for, using a resource allocated by a base station, performing transmission and reception of packet data by code division multiplexing to and from the base station, the mobile station comprising:

a reservation signal transmitting unit configured to transmit to the base station a reservation signal containing maximum transmit power information of the mobile station, priority level information indicating a priority of the packet data, and transmit power information of the reservation signal; and

a transmission rate changing unit configured to ~~charge~~ change a transmission rate according to a resource set based on the maximum transmit power information, the priority level information, and the transmit power information in the reservation signal transmitted by the reservation signal transmitting unit.

Claim 13 (Currently Amended): A mobile station for, using a resource allocated by a base station, performing transmission and reception of packet data by code division multiplexing to and from the base station, the mobile station comprising:

a reservation signal transmitting unit configured to transmit a reservation signal including priority level information indicating a priority of the packet data to the base station; and

a communication unit configured to perform communication using a spreading code designated by the base station, based on the priority level information in said reservation signal and indicating the priority of the packet data, for each reservation signal transmitted by the reservation signal transmitting unit.

Claim 14 (Currently Amended): The mobile station according to Claim [[11]]12, further comprising a communication unit configured to perform communication using a spreading code designated by the base station for each reservation signal transmitted by the reservation signal transmitting unit.

Claim 15 (Currently Amended): A radio packet communication system for transmission and reception of packet data between a base station and a mobile station,

wherein the mobile station comprises a reservation signal transmitting unit configured to transmit a reservation signal containing priority level information about a priority level of communication, to the base station, and

wherein the base station comprises:

a reservation signal receiving unit configured to receive the reservation signal transmitted from the mobile station;

a reserved time length setting unit configured to set (i) a length of a reserved time for allocation of a resource by the base station, as a reserved time length, and (ii) a start time of the reserved time based on the priority level information in the reservation signal received by the reservation signal receiving unit, and the reserved time length setting unit is further configured to set a start time of a reserved time corresponding to a low priority in the priority level information to be earlier than a start time of a reserved time corresponding to a high priority in the priority level information; and

a resource allocation reserving unit configured to reserve allocation of a resource for the communication with the mobile station having transmitted the reservation signal to the base station, when there is a resource available for allocation in a reserved time region defined by the reserved time length set by the reserved time length setting unit, from a predetermined reservation start time.

Claim 16 (Previously Presented): A resource allocating method in a radio packet communication system for transmission and reception of packet data between a base station and a mobile station, in which the base station allocates a necessary resource to communication with the mobile station, the resource allocating method comprising:

a reservation signal transmitting step wherein the mobile station transmits a reservation signal containing priority level information about a priority level of communication to let the base station receive the reservation signal;

a reserved time region setting step wherein, when the priority level information in the reservation signal transmitted in the reservation signal transmittal step, indicates a high priority level, the base station sets a first reserved time region including a first reserved time length based on said high priority level, when said priority level information indicates a low priority level lower than said high priority level, the base station sets a second reserved time region including a second reserved time length that is shorter than said first reserved time length; and

a resource allocation reserving step wherein when the base station receives the reservation signal indicating the high priority level and when there is a resource available for allocation in the first reserved time region, the base station reserves allocation of the resource in the first reserved time region for the communication with the mobile station having transmitted the reservation signal, and when the base station receives the reservation signal indicating the low priority level and when there is a resource available in the second reserved time region, the base station reserves allocation of the resource in said second reserved time region for the communication with the mobile station having transmitted the reservation signal,

wherein said first reserved time region is a region that is set from predetermined reservation start time and said first reserved time includes the second reserved time region.

Claim 17 (Previously Presented): A base station configured to perform transmission and reception of packet data to and from a mobile station and allocate a necessary resource to communication with the mobile station, the base station comprising:

a reservation signal receiving unit configured to receive a reservation signal transmitted from the mobile station and containing priority level information about a priority level of communication;

a reserved time region setting unit configured to, when the priority level information in the reservation signal indicates a high priority level, set a first reserved time region including a first reserved time length based on said high priority level, and when said priority level information indicates a low priority level lower than said high priority level, set a second reserved time region including a second reserved time length that is shorter than said first reserved time length; and

a resource allocation reserving unit configured to, when the reservation signal indicates the high priority level and when there is a resource available for allocation in the first reserved time region, reserve allocation of the resource in the first reserved time region for the communication with the mobile station having transmitted the reservation signal, and when the reservation signal indicates the low priority level and when there is a resource available in the second reserved time region, reserve allocation the resource in said second reserved time region for the communication with the mobile station having transmitted the reservation signal,

wherein said first reserved time region is a region that is set from predetermined reservation start time and said first reserved time includes the second reserved time region.

Claim 18 (Previously Presented): A radio packet communication system for transmission and reception of packet data between a base station and a mobile station,

wherein the mobile station comprises a reservation signal transmitting unit configured to transmit a reservation signal containing priority level information about a priority level of communication, to the base station, and

wherein the base station comprises:

a reservation signal receiving unit configured to receive the reservation signal transmitted from the mobile station;

a reserved time region setting unit configured to, when the priority level information in the reservation signal indicates a high priority level, set a first reserved time region including a first reserved time length based on said high priority level, and when said priority level information indicates a low priority level lower than said high priority level, set a second reserved time region including a second reserved time length that is shorter than said first reserved time length; and

a resource allocation reserving unit configured to, when the reservation signal indicates the high priority level and when there is a resource available for allocation in the first reserved time region, reserve allocation of the resource in the first reserved time region for the communication with the mobile station having transmitted the reservation signal, and when the reservation signal indicates the low priority level and when there is a resource available in the second reserved time region, reserve allocation of the resource in said second reserved time region for the communication with the mobile station having transmitted the reservation signal,

wherein said first reserved time region is a region that is set from predetermined reservation start time and said first reserved time includes the second reserved time region.

Claim 19 (New): The resource allocating method according to Claim 16, wherein a spreading code to be allocated to the mobile station is designated for each said reservation signal.

Claim 20 (New): The base station according to Claim 17, wherein a spreading code to be allocated to be mobile station is designated for each said reservation signal.

Claim 21 (New): A radio packet communication system according to Claim 18,

wherein said mobile station configured to, using a resource allocated by a base station, perform transmission and reception of packet data to and from the base station,

the mobile station comprising:

reservation signal transmitting means for transmitting a reservation signal containing priority level information about a priority level of communication, to the base station.

Claim 22 (New): A radio packet communication system according to Claim 21,

wherein the mobile station further comprises:

communication means for performing communication using a spreading code designated by the base station for each reservation signal transmitted by the reservation signal transmitting means.